

July 25, 2024

**FINANCIAL ASSISTANCE CENTER
FINDING OF NO SIGNIFICANT IMPACT/ENVIRONMENTAL ASSESSMENT**

TO: ALL INTERESTED GOVERNMENT AGENCIES AND PUBLIC GROUPS

In accordance with procedures for environmental review found at 10 CSR 60-13.030, a review has been performed on the proposed action below:

Project Identification: Drinking Water Distribution System Improvements

Applicant: Clarence Cannon Wholesale Water Commission Project No: DW291070-08

City: Laddonia County: Audrain State: Missouri

Estimated Project Amount: \$2,060,000

Potential State Revolving Fund (SRF) Amount: \$2,060,000

COMMUNITY DESCRIPTION:

Location: The proposed project will serve the City of Laddonia, located in Audrain County. Clarence Cannon Wholesale Water Commission (CCWWC) operates a 10 million gallon per day (MGD) water treatment facility in Monroe County.

Population, Present and Projected, and Design Year: CCWWC currently provides water to 14 counties in the state of Missouri, supplying water to 14 cities and nine water supply districts with an estimated population of 73,672. Current costumers have contracted for peak commitments of 6.05 MGD, and average daily demand is 4.00 MGD.

Current Methods of Supply, Storage, Water Treatment, and Distribution: The raw water source for the Commission is obtained primarily from Mark Twain Lake, located in Ralls and Monroe Counties. The Commission provides treatment of the raw water by a conventional two stage surface water treatment plant located near the City of Florida, Missouri. The treatment plant has a capacity of approximately 10 MGD and 3.75 million gallons of finished water storage. The commission's distribution system consists of five pump stations and approximately 325 miles of transmission lines.



PROJECT DESCRIPTION:

Distribution Improvements: The project will consist of the construction of approximately 33,000 feet of 8-inch polyvinyl chloride (PVC) pipe, valves, and appurtenances. These water mains will connect the City of Laddonia to the Clarence Cannon Wholesale Water Commission (CCWWC).

Purpose and Need: The purpose of the project is to regionalize Laddonia's water supply, connecting the city's system to CCWWC. The improvements are proposed to supply Laddonia with safe, affordable drinking water.

Design Factors: Work will be performed in right-of-ways, easements, and on property owned by the water systems. Construction activity will consist of boring, trenching, digging, and movement of machinery over the surface. The design standards used in this project are based on the 2013 Minimum Design Standards for Missouri Community Water Systems.

The total construction cost for the proposed improvements including engineering and administrative costs is approximately \$2,060,000.

ALTERNATIVES CONSIDERED:

- No Action (Not Selected): This alternative would require the city to continue to operate and maintain the existing system to provide water service to its customers. This alternative would not address the system pressures or reliability.
- Action Alternative No. 1 (Not Selected): This alternative would upgrade the existing water treatment plant in Laddonia. The plant would need to stay online while improvements are made, and a mobile clarification unit may need to be rented. If this mobile unit were to require service, Laddonia would be unable to treat water. This alternative would not have a feasible timeline and may require the usage of equipment beyond its useful life.
- Action Alternative No. 2 (Not Selected): This alternative would construct a new water treatment plant just south of the existing treatment plant. This alternative would not be financially viable for the city.
- Action Alternative No. 3 (Selected): This action alternative will connect the City of Laddonia to the CCWWC, regionalizing the system. This would include approximately 32,000 feet of 8-inch main from the intersection of County Road 509 and County Road 572, near the 100,000-gallon Laddonia elevated water storage tank and tapping into the existing 8-inch water main owned by CCWWC, and extending to Locust Street in Laddonia, where it will connect to an existing 6-inch main owned by the city. Laddonia will be contracted to purchase up to 139,000 gpd of water from CCWWC.

REASONS FOR SELECTION OF PROPOSED ALTERNATIVES

Selected Actions: Action Alternative No. 3 was selected over the other alternatives as it provides the most feasible and cost-effective solution to provide adequate water to the city.

ENVIRONMENTAL IMPACT SUMMARY:

1. Primary Impacts

- a. Construction: Blowing dust, temporary surface disruption, and noise from construction equipment will occur during construction, but these impacts are expected to be minor and temporary in nature.
- b. Environmental: Environmental impacts of the project are expected to be temporary in nature. The proposed improvements will allow the water system to operate more efficiently and provide safe and reliable drinking water to the city's customers for the next 20 years.
- c. Financial: The current average residential user charge for drinking water is \$55.00 per 5,000 gallons. The proposed project is expected to increase the city's average monthly residential user charge for drinking water to \$76.97 per 5,000 gallons.

2. Secondary:

- a. Population Impacts: This project is designed to serve the existing water system. No relocation of people or structures is anticipated.
- b. Land Use and Trends: The project is located on land already owned by either the City of Laddonia or by CCWWC. No significant change in land use trends is expected to result from this project.
- c. Environmental: No significant secondary environmental impacts are expected as a result of this project.

3. Mitigation Measures Necessary to Eliminate Adverse Environmental Effects: Noise, dust. And erosion normally associated with construction will be minimized by good engineering and construction practices. Restoration of disturbed areas along the water mains will be undertaken after construction is complete. Any debris such as demolition and construction waste, trees, or brush, will be disposed of properly.

A cultural resource survey was conducted for the project. The survey was conducted by the Archaeological Research Center of St. Louis, Inc., and for review in September 2023. It was concluded that no further cultural resource investigation is recommended for the area.

4. Irreversible and Irretrievable Commitment of Resources: Fuel, chemicals, and construction materials will be irretrievably committed to the project. Future funds will be committed to the operation and maintenance of the water system.

5. Positive Environmental Effects to be Realized from the Proposed Project: The proposed improvements to the city's system will help provide better water quality, improve operations, reduce water loss, improve fire protection, and provide more reliability throughout the system.
6. Reasons for Concluding there will be No Significant Impact: The proposed project will have a positive impact on water quality and reliability. Population densities and land use trends will not be significantly affected. Where minor impacts occur, appropriate mitigation measures are planned.

PUBLIC PARTICIPATION:

1. Public Involvement: CCWWC conducted a public meeting to discuss the proposed project improvements, the engineering alternatives, and environmental impacts of the project on July 22, 2024, at 34146 Route U in Stoutsville, Missouri. Notice of the meeting appeared on June 20, 2024 in the Monroe County Appeal.
2. Public Opposition or Opinions: No adverse comments on the proposed project were received.

COORDINATION AND DOCUMENTATION WITH OTHER AGENCIES AND SPECIAL INTEREST GROUPS:

1. Facility Plan:
 - Laddonia Water Supply Study dated February 2021 prepared by Klingner & Associates, P.C.
 - Engineering Report Amendment 1 dated September 13, 2021, and Amendment 2 dated February 1, 2022, prepared by Bartlett & West
 - Environmental Information Document dated June 2024 prepared by Bartlett & West, Inc.
2. Federal: ☒ U.S.F.W.S. ☒ Corps of Engineers
3. State:
Environmental Notices
 - a. Missouri Department of Natural Resources – Division of State Parks
 - b. Missouri Department of Natural Resources – Missouri Geological Survey
 - c. Missouri Office of Administration – Federal Assistance Clearinghouse
 - d. Missouri Department of Conservation

Historical and Cultural Notices


- a. Missouri Department of Natural Resources – State Historic Preservation Office
- b. Native American Tribes

4. Consulting Engineer: Bartlett & West, Inc.
601 Monroe Street, Suite 201
Jefferson City, MO 65101


This action is taken on the basis of a careful review of the facility plan on file in the office of the Missouri Department of Natural Resources' Financial Assistance Center at 1101 Riverside Drive, Jefferson City, MO 65101. These are available for public review upon request Monday through Friday, 8:00 a.m. to 5:00 p.m. This agency will not take any administrative action on this project for at least 30 calendar days from the date of this document. Persons wishing to comment on the above environmental decision may submit comments to Lauren Graessle, P.E., of the Department of Natural Resources, Financial Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176, during this period. Thank you.

Sincerely,

FINANCIAL ASSISTANCE CENTER



Lauren Graessle, P.E.
Director



Eric Linger
Assistant Engineer

LG:elc

Attachments

July 25, 2024

Date

DISTRIBUTION

Department of Conservation
P.O. Box 180
Jefferson City, MO 65102

Conservation Federation of Missouri
728 West Main Street
Jefferson City, MO 65101

U.S. Environmental Protection Agency
c/o Carter Tharp – WWPD/SRFB
Tharp.carter@epamail.epa.gov

Missouri Department of Natural Resources
Missouri Geological Survey
Environmental Geology Section
P.O. Box 250
Rolla, MO 65402-0250

Missouri Department of Natural Resources
Division of State Parks
State Historic Preservation Office
P.O. Box 176
Jefferson City, MO 65102-0176

U.S. Fish and Wildlife Service
Ecological Services
101 Park DeVille Drive, Suite A
Columbia, MO 65203-0057

National Park Service
Midwest Region
mwro_compliance@nps.gov

USDA Rural Development
601 Business Loop 70 West
235 Parkade Center
Columbia, MO 65203

Gilmore and Bell, P.C.
c/o Shannon Walsh Creighton
One Metropolitan Square
211 North Broadway, Suite 2000
St. Louis, MO 63102-2741

Osage Nation Historic Preservation Office
627 Grandview
Pawhuska, OK 74056

SRF File DW291070-08

Clarence Cannon Wholesale Water Commission
c/o Heath N. Hall
34146 Route U
Stoutsville, MO 65283-2117

Bartlett & West, Inc.
c/o Gary W. Davis, P.E.
601 Monroe Street
Suite 201
Jefferson City, MO 65101-3280

Missouri Department of Natural Resources
Northeast Regional Office
1709 Prospect Drive
Macon, MO 63552-2602

Monroe County Appeal
221 North Main Street
Paris, MO 65275

Environmental Protection Agency
Office of Federal Activities
Ariel Rios (2252A)
1200 Pennsylvania Avenue, N.W.
Washington, DC 20004

Council of Environmental Quality
722 Jackson Place, N.W.
Washington, DC 20503

U.S. Army Corps of Engineers
St. Louis District
1222 Spruce Street
St. Louis, MO 63103

Mark Twain Regional Council of Governments
42494 Delaware Lane
Perry, MO 63462

Lewis, Rice
c/o David Brown
600 Washington Avenue, Suite 2500
St. Louis, MO 63102

Attached Maps

1. State Map/Project Location Map
2. Project Location Map

State of Missouri

City of Paris, MO



Project Location Map

